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Project Design Phase-I
Proposed Solution Template

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Date	28 September 2022
Team ID	PNT2022TMID38856
Project Name	Project - Containment zone Alerting Application
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	This application is intended to provide information about containment zones in a particular region by alerting people, through continuous monitoring of an individual's location. Key benefits of the application are monitoring people's activity and alerting them of their safety movements.
2.	Idea / Solution description	The project aims at building an application that provides information about the containment zones of a particular region by continuously monitoring an individual's location. Location of the individual must be stored in the Database using cloud firebase database. Alerts are sent using the notification service. Features of the Application ***Admin App (portal):*** Admin can login to the app and update the containment zones locations in the portal. Based on the containment zones locations a Geofence will be created within a 100 meters radius. Admin should be able to see how many people are visiting that particular containment zone. ***User App (Mobile App):*** The app should have a user registration and login. After the user logged into the app it will track the user's location and update the database with the current location. If the user

		is visiting the containment zone he will get an alert notification.
3.	Novelty / Uniqueness	User will be able to see the containment zone in a map format and not in the table which only has the containment zone names. This would be helpful for the people who are new to the city.
4.	Social Impact / Customer Satisfaction	This application would make a big impact in reducing the covid cases as well as give people an idea about the disease and the cautionary measures against it.
5.	Business Model (Revenue Model)	There are many applications currently available in this regard. Our solution, once developed well, has enough possibility to become a good product to save people against the deadly diseases.
6.	Scalability of the Solution	Our proposed solution is very scalable i.e., in future, there are a lot of rooms for evolving our present model by adding new features to enhance our application in the future